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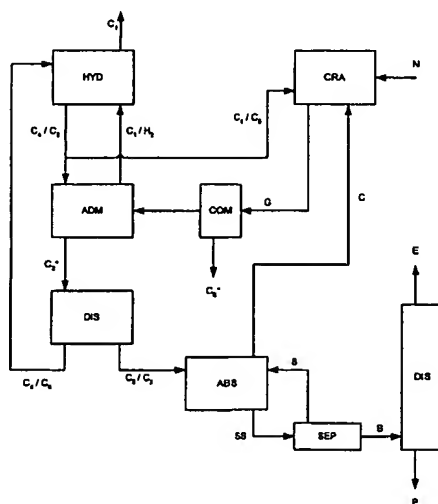
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(54) Title: PROCESS FOR THE RECOVERY OF AN ETHYLENE AND PROPYLENE CONTAINING STREAM FROM A
CRACKED GAS RESULTING FROM HYDROCARBON CRACKING



(57) Abstract: Process for the recovery of an ethylene and propylene containing stream from a cracked gas resulting from cracking a hydrocarbon stream, wherein the cracked gas is treated in an absorptive demethanizer with a C_4/C_5 solvent at a temperature between -10°C and -40°C to free the cracked gas from methane and hydrogen gas, whereafter the remaining stream is treated by distillation in a distillation unit to obtain a C_4/C_5 containing stream and the ethylene and propylene containing stream; whereafter the C_4/C_5 stream is treated with a hydrogen containing stream in a hydrogenation unit, whereafter a part of the hydrogenated C_4/C_5 stream is cooled to a temperature between -10°C and -40°C and recycled to the absorptive demethanizer and a part of the hydrogenated C_4/C_5 stream is separated.

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